

# Optimising subcutaneous insulin management Specialised charts for unique needs

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## Issue

- ❖ Adult subcutaneous insulin chart successfully implemented within Tasmanian Health Services (THS) BUT no chart for paediatric or maternity patients
- ❖ No Electronic Medication Management within THS
- ❖ Blood glucose parameters & monitoring differ between population groups
- ❖ Varied documentation for Blood Glucose Levels (BGL) & subcutaneous insulin doses
- ❖ Multiple charts with no track and trigger leading to poor escalation of care & errors

## Action

### Medication Safety

National chart human factors included:

- Pre-printed "units"
- Colour-coded escalation
- Lining up insulin doses with BGLs

### Consultation

- Multidisciplinary approach
- Pilot version of paediatric chart allowed refinement for varying practice statewide
- Clinical support tool requirement

### Innovation

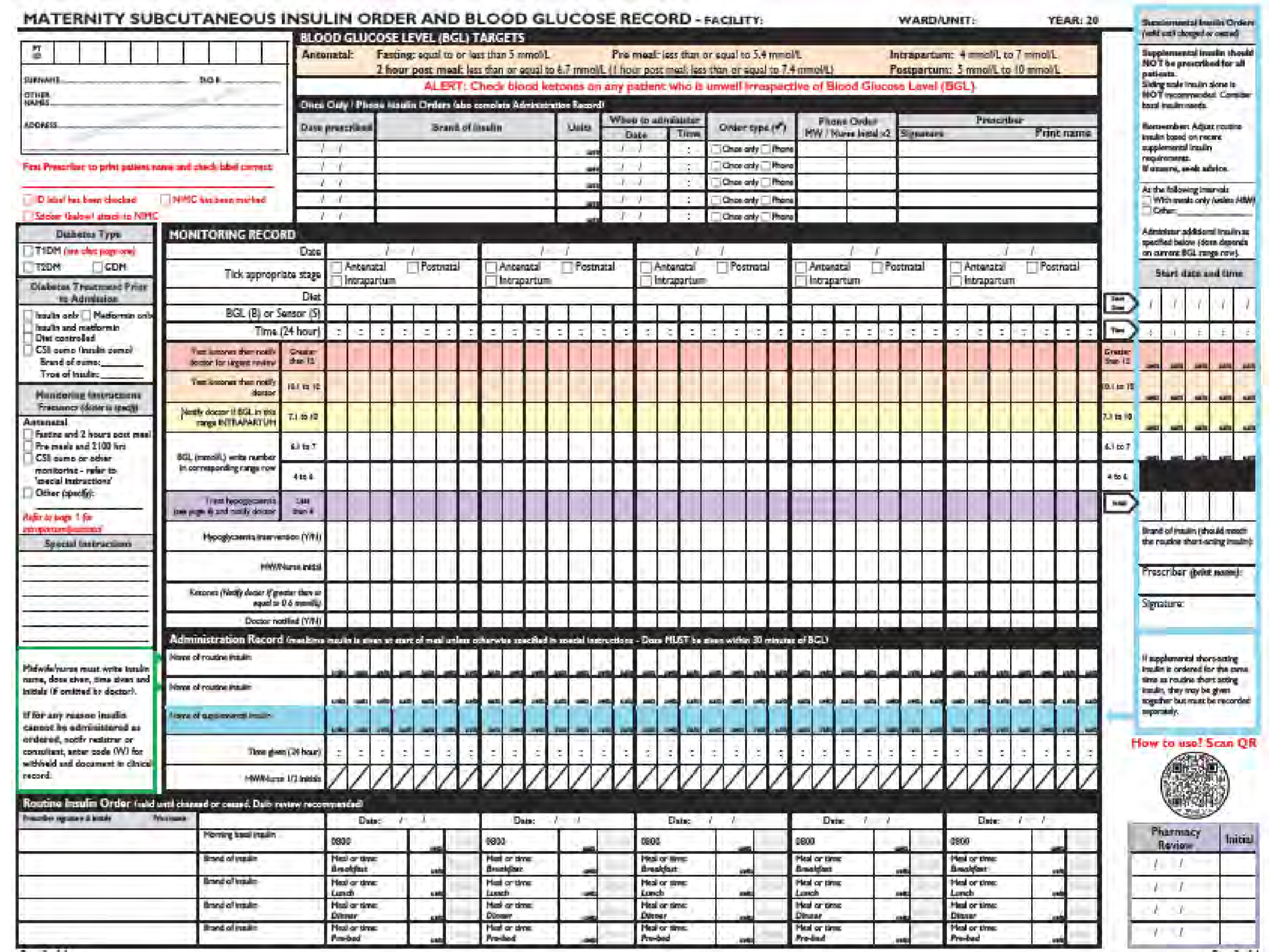
Documentation of insulin pumps

Carbohydrate counting



### Quick Start Guides

Nursing/midwifery, prescribers & pharmacists



### Track & Trigger

Reflect BGL parameters for antenatal, intrapartum & postnatal period

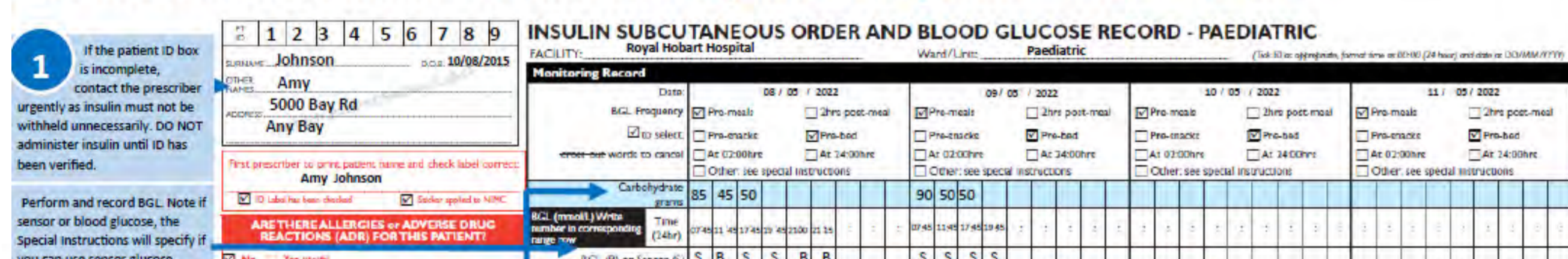
### Implementation

Collaborated with clinical nurse educators  
Train the trainer model

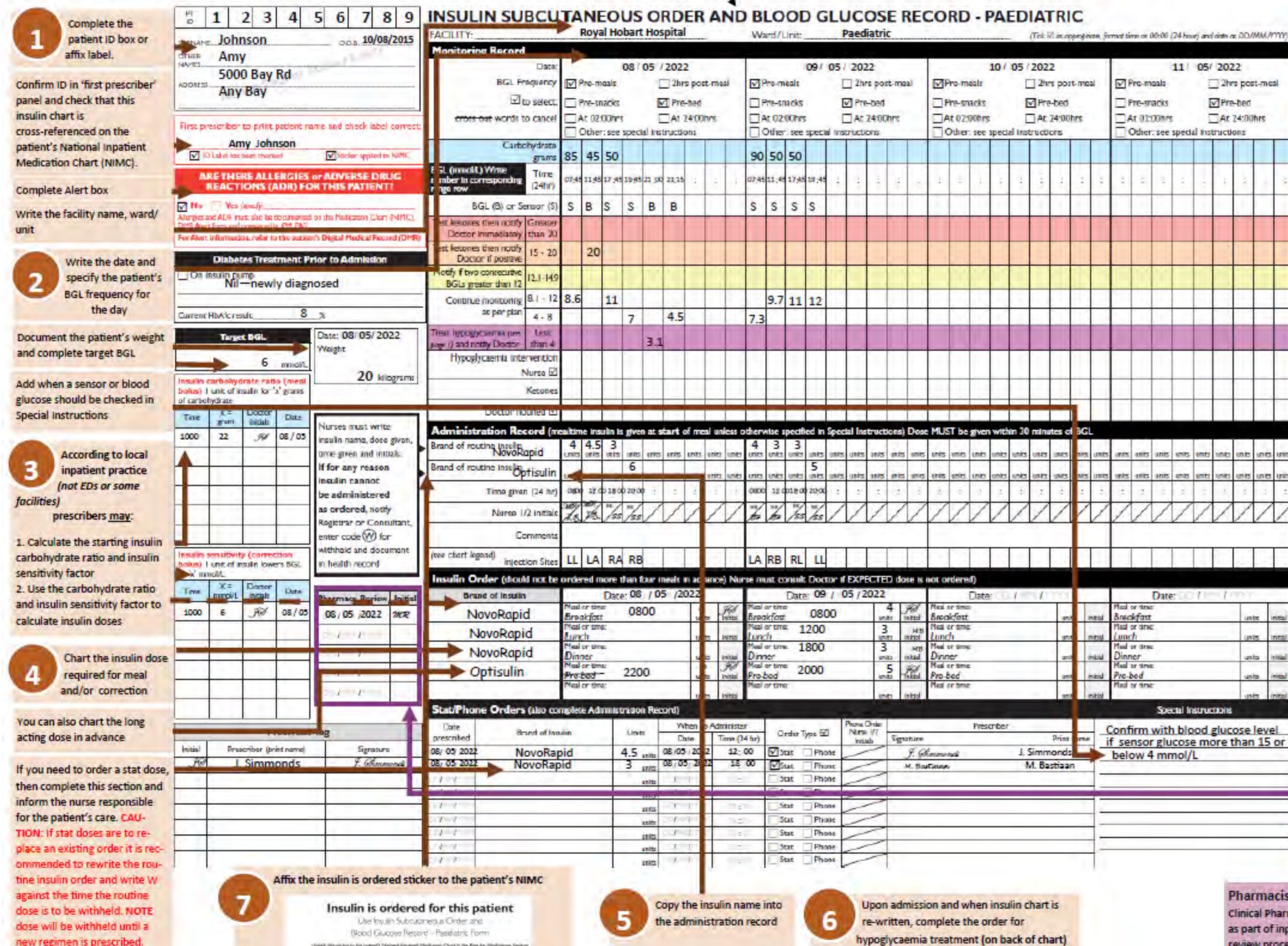
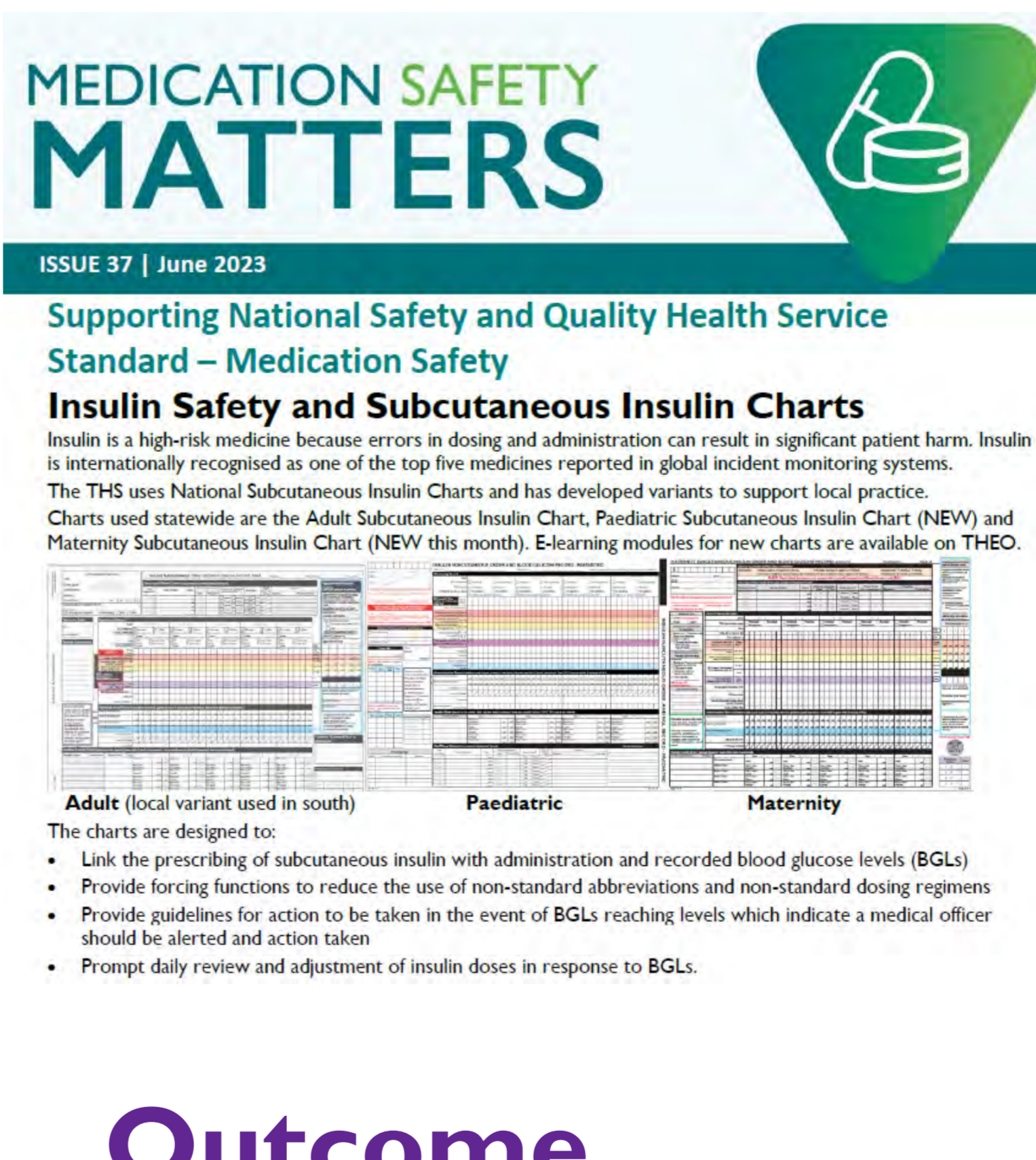
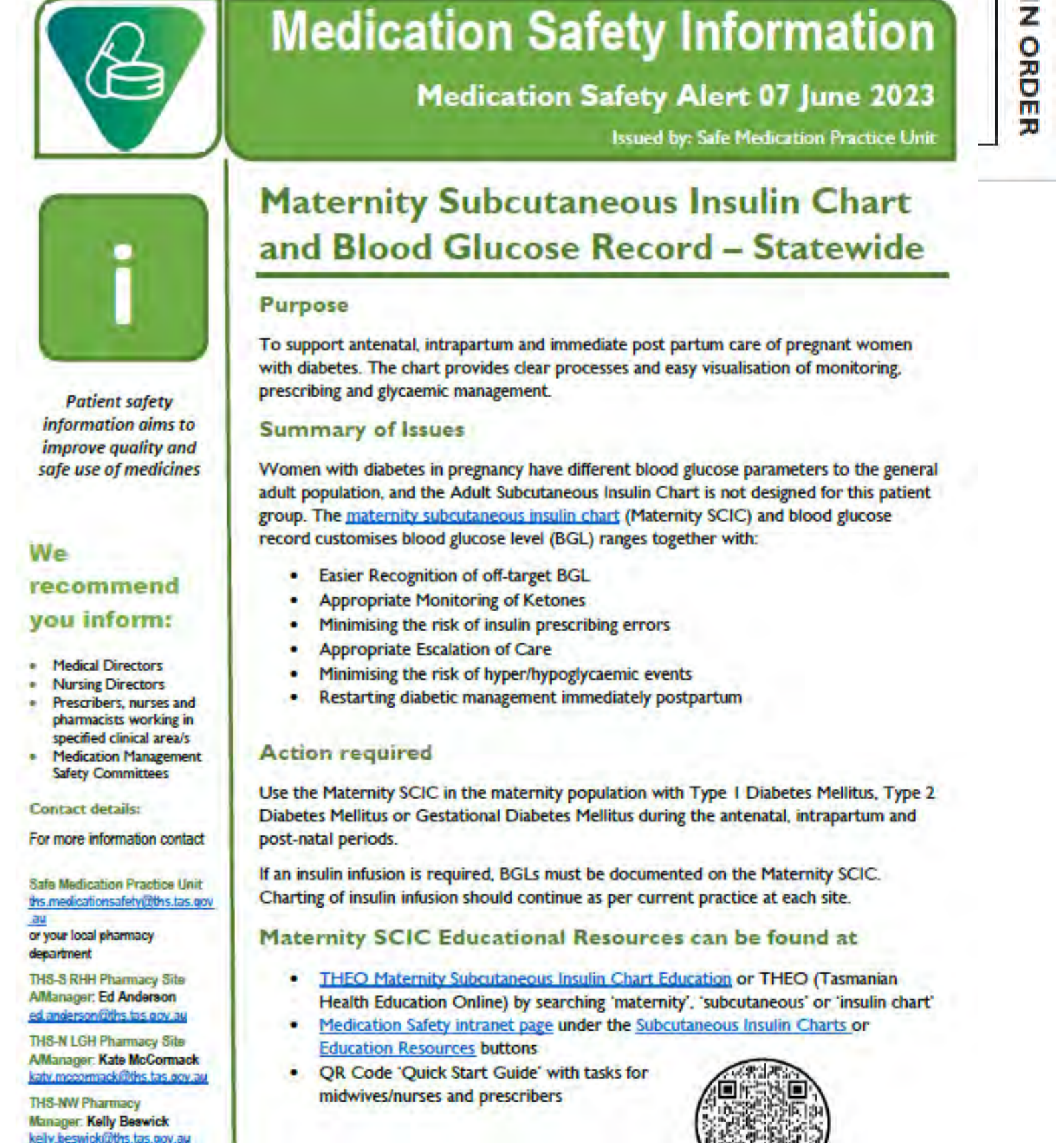
Education resources developed by  
Safe Medication Practice Unit:

Newsletter, Alerts, Online Learning Module

### Paediatric Subcutaneous Insulin Chart quick start guide — Nurse Tasks



### Paediatric Subcutaneous Insulin Chart quick start guide — Prescriber Tasks

## Outcome

- ❖ Successful implementation of Paediatric and Maternity Subcutaneous Insulin Charts and well received by clinical staff
- ❖ Proven medication safety benefits improving care in specific populations
- ❖ Auditing planned for 2024

## Contact

Safe Medication Practice Unit

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